

Comparisons of Job Characteristics

Focus Occupation: [Derrick Operators, Oil and Gas \(47-5011\)](#)

Associated Occupation: [Mixing and Blending Machine Setters, Operators, and Tenders \(51-9023\)](#)

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

[Compare Tools and Technologies](#)

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

Knowledge

Similarity of Focus Occupation to Associated Occupation: 58

Focus Occupation: Derrick Operators, Oil and Gas (47-5011)

Associated Occupation: Mixing and Blending Machine Setters, Operators, and Tenders (51-9023)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation
Production and Processing	6.0	13.9	4.2	<< Extensive education and/or training may be required
Chemistry	4.8	9.9	6.4	<< Extensive education and/or training may be required
Mechanical	6.8	9.6	13.5	>> Current knowledge level is likely more than sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills

Similarity of Focus Occupation to Associated Occupation: 89

Focus Occupation: Derrick Operators, Oil and Gas (47-5011)

Associated Occupation: Mixing and Blending Machine Setters, Operators, and Tenders (51-9023)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation
Operation Monitoring	6.6	11.6	13.3	> Skill level is likely sufficient
Operation and Control	5.4	11.2	12.3	0 Current skill level may be sufficient
Quality Control Analysis	5.9	9.8	10.3	0 Current skill level may be sufficient
Equipment Maintenance	3.5	8.4	9.4	> Skill level is likely sufficient
Repairing	3.4	7.1	10.7	>> Skill level is likely more than sufficient
Equipment Selection	3.3	5.4	6.7	> Skill level is likely sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Abilities

Similarity of Focus Occupation to Associated Occupation: 69

Focus Occupation: Derrick Operators, Oil and Gas (47-5011)

Associated Occupation: Mixing and Blending Machine Setters, Operators, and Tenders (51-9023)

Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Manual Dexterity	6.5	10.8	11.9	>	Current ability level is likely sufficient
Perceptual Speed	7.4	9.7	9.8	0	Current ability level may be sufficient
Visual Color Discrimination	6.4	9.7	8.3	<	Some improvement in abilities may be required
Rate Control	3.8	9.4	9.5	0	Current ability level may be sufficient
Reaction Time	4.8	9.0	12.8	>>	Current ability level is likely more than sufficient
Auditory Attention	5.9	8.7	11.9	>>	Current ability level is likely more than sufficient
Response Orientation	4.0	7.6	9.8	>	Current ability level is likely sufficient
Wrist-Finger Speed	3.2	6.1	7.1	>	Current ability level is likely sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common

Similarity of Focus Occupation to Associated Occupation: 89

Focus Occupation: Derrick Operators, Oil and Gas (47-5011)

Associated Occupation: Mixing and Blending Machine Setters, Operators, and Tenders (51-9023)

Work Activities	Exclusivity of Activity
Measure, weigh, or count products or materials	17
Mix paint, ingredients, or chemicals, according to specifications	35
Operate mix or blending machine	89
Operate power driven pumps	66
Use hand or power tools	2
Use precision measuring tools or equipment	17

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Tools and Technologies that Both Occupations Have in Common

Similarity of Focus Occupation to Associated Occupation: n/a

Focus Occupation: Derrick Operators, Oil and Gas (47-5011)

Associated Occupation: Mixing and Blending Machine Setters, Operators, and Tenders (51-9023)

Tools and Technologies	Exclusivity
Tools and technology data is unavailable for one or both occupations.	

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.